

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Yasumasa DEKISHIMA et al. **Confirmation No. : 6444**
Appln. No. : 10/588,286 Examiner: ZUCKER, Paul
I.A. Filed : February 4, 2005 Group Art Unit: 1621
For : METHOD FOR PRODUCING ALCOHOL AND CARBOXYLIC ACID
HAVING OPTICAL ACTIVITY

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
U.S. Patent and Trademark Office
Customer Service Window, Mail Stop Amendment
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56 and §§1.97-1.98, and supplemental to the Information Disclosure Statements previously filed, Applicants hereby bring to the attention of the Examiner an Extended European Search Report dated January 21, 2011, with respect to patent family member European Patent Application No. 10178014.6, in which the following documents were cited:

- (1) XIE et al., Bioscience Biotechnology Biochemistry, Vol. 63, No. 10, pgs. 1721-29, 1999;
- (2) HUMMEL et al., Advanced Synthesis and Catalysis, Vol. 345, No. 1-2, pgs. 153-59, 2003;
- (3) KREIT et al., Journal of Molecular Catalysis B Enzymatic, No. 19-20, pgs. 253-59, 2002;

- (4) NAKAMURA et al., *Tetrahedron: Asymmetry*, Vol. 14, No. 18, pgs. 2659-81, 2003;
- (5) MATSUDA et al., *Tetrahedron: Asymmetry*, Vol. 13, No. 9, pgs. 971-74, 2002;
- (6) YANG et al., *Biochimica et Biophysica Acta*, Vol. 1336, No. 1, pgs. 51-58, 1997;
- (7) PATEL et al., *European Journal of Biochemistry/FEBS*, Vol. 101, No. 2, pgs. 401-06, 1979;
- (8) SCHMITZER et al., *Journal of the American Chemical Society*, Vol. 123, No. 25, pgs. 5956-61, 2001;
- (9) CASON et al., *Journal of the American Chemical Society*, Vol. 72, pgs. 4695-97, 1950;
- (10) HUMMEL, *Trends in Biotechnology*, Vol. 17, No. 12, pgs 487-92, 1999;
- (11) Database Geneseq (Online), retrieved from EBI accession no. GSP:ADW29163, XP002431903, "I scutulata carbonyl reductase protein sequence SeqID1," Abstract, April 7, 2005;
- (12) Database Geneseq (Online), retrieved from EBI accession no. GSN:ADW29164, XP002432051, "I scutulata carbonyl reductase coding DNA sequence SeqID2," Abstract, April 7, 2005;
- (13) JP 2005-006552 A (01/13/05); and
- (14) EP 1 568 780 A1(08/31/05).

The relevance of the above-listed documents, as ascertained with respect to the European claims by the European Examiner, is set forth in the European Search Report for European Patent Application No. 10178014.6. Applicants further note that since the above-listed

documents were previously cited in the present application, copies of the above-listed documents are not provided herewith.

Applicants also hereby bring to the attention of the Examiner an Extended European Search Report dated February 4, 2011, with respect to patent family member European Patent Application No. 10177975.9, in which the following documents were cited:

- (15) PROUT et al., *Journal of Organic Chemistry*, Vol. 27, pgs. 1488-90, 1962;
- (16) CASON et al., *Journal of the American Chemical Society*, Vol. 72, pgs. 4695-97, 1950;
- (17) HORNUNG et al., *Journal of the American Chemical Society*, Vol. 117, pgs. 8192-96, 1995; and
- (18) HEINZ et al., "Organikum," Deutscher Verlag der Wissenschaften, pgs. 416-17, 1990.

The relevance of the above listed documents, as ascertained with respect to the European claims by the European Examiner, is set forth in the European Search Report for European Patent Application No. 10177975.9. Copies of the HORNUNG et al. and HEINZ et al. documents as well as the European Search Report are enclosed herewith for the Examiner's consideration. Applicants note that the PROUT et al. and CASON et al. documents were previously provided.

The Examiner is requested to consider all of the above-listed documents and to return a signed and initialed copy of the attached Form PTO-1449 with the next communication.

In accordance with 37 C.F.R. § 1.97(e), the undersigned hereby states that each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application no more than three months prior to the filing of the Information Disclosure Statement. Of course, this statement does not apply to information that has previously been cited by Applicants or the Examiner in the present application as that information is already of record and no certification is necessary. Moreover, the communication was not received by an individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.

A payment in the amount required under 37 C.F.R. § 1.17(p) is provided herewith. In the event that additional fees are due with respect to this paper, the Commissioner is hereby authorized to charge such fees to Deposit Account No. 19-0089 of the undersigned.

Should the Examiner have any questions, the Examiner is invited to contact the undersigned at the below-listed telephone number.

Respectfully submitted,
Yasumasa DEKISHIMA et al.



Bruce H. Bernstein
Reg. No. 29,027
WALTER SCHLAPKOHLL
REG. NO. 64,416

February 18, 2011
GREENBLUM & BERNSTEIN, P.L.C.
1950 Roland Clarke Place
Reston, VA 20191
(703) 716-1191